	Application No.	Applicant(s)	
Notice of Allowability	10/695,804	YUASA, HIROSHI	
	Examiner	Art Unit	
	Anh D. Mai	2814	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet water (OR REMAINS) CLOSED or other appropriate committee GHTS. This application is	in this application. If not included nunication will be mailed in due course. THIS	
1. \boxtimes This communication is responsive to <u>amendment filed July</u>	<u>21, 2004</u> .		
2. The allowed claim(s) is/are <u>35-40</u> .			
3. \boxtimes The drawings filed on <u>30 October 2003</u> are accepted by the	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Applicat	ion No. <u>09/790,518</u> .	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requirements	
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Revi	ew (PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			
 Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 10/30/03 and 5/17/04 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ☐ Interview Paper No 98), 7. ☑ Examiner	Informal Patent Application (PTO-152) Summary (PTO-413), D./Mail Date S Amendment/Comment S Statement of Reasons for Allowance	

DETAILED ACTION

Status of the Claims

1. Amendment filed July 21, 2004 has been entered. Claims 20-34 have been canceled. Claim 38 has been amended. Claims 35-40 are pending.

EXAMINER'S AMENDMENT

2. The application has been amended as follows:

In the Specification:

New Title: METHOD FOR FABRICATING METAL INTERCONNECT IN A CARBON-CONTAINING SILICON OXIDE FILM.

In the first line following the title please insert:

-- This application is a division of the application No. 09/790,518 filed on February 23, 2001, abandoned. --

Allowable Subject Matter

- 3. Claims 35-40 are allowed.
- 4. The following is an examiner's statement of reasons for allowance: prior art of record fails to teach a method for fabricating a metal interconnect in a carbon-containing silicon oxide film in the combination of limitations as claimed including: etching an interconnecting groove in the carbon-containing silicon oxide film using a resist pattern mask; filling the interconnecting groove with a resist film; etching to remove a first region of the resist film which is formed outside of the interconnecting groove and the resist pattern; removing a second region of the

resist which is formed inside of the interconnecting groove and forming a silicon oxide layer on the inner surface of the interconnecting groove.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh D. Mai whose telephone number is (571) 272-1710. The examiner can normally be reached on 9:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Anh D. Mai August 3, 2004